



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Hong YANG et al.

Application No.: 10/801,696

Filed: March 17, 2004

Docket No.: 115256

For: CORE-SHELL MAGNETIC NANOPARTICLES

INFORMATION DISCLOSURE STATEMENT

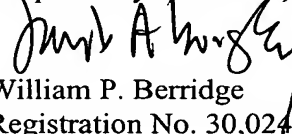
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of references 1-7 is discussed in the present specification.
- ☒ 3. The present application was filed or entered the U.S. National Stage of the PCT after June 30, 2003. In accordance with the June 11, 2003, Notice waiving the requirements of 37 CFR §1.98(a)(2)(i), copies of any U.S. patents and patent application publications are not attached.

Respectfully submitted,


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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 115256		APPLICATION NO. 10/801,696	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT(S) Hong YANG et al.			
				FILING DATE March 17, 2004		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	1.	6,302,940 B2	10/16/2001	Murray et al.			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	2.	Kablunde et al. "Unique Chemical Reactivities of Nanocrystalline Metal Oxides toward Hydrogen Sulfide", Chemical Matter, 14, 2002, pp 1806-1811					
	3.	Luo et al. "Catalytic activation of core-shell assembled gold nanoparticles as catalyst for methanol electrooxidation", Catalysis Today, 77, 2002, pp 127-138					
	4.	Chen et al. "Low-Temperature Hydrodesulfurization of Thiophene on Ni/Pt(111) Bimetallic Surfaces with Monolayer Ni Coverage, Journal of Catalysis, 205, 2002, pp 259-265					
	5.	Murray et al. "Monodisperse 3d Transition-Metal (Co, Ni, Fe) Nanoparticles and Their Assembly into Nanoparticle Superlattices", MRS Bulletin, 2001, pp 985-991					
	6.	Zeng et al "Exchange-coupled nanocomposite magnets by nanoparticle self-assembly", Nature, Vol. 420, 2002, pp 395-398					
	7.	Skumryer et al. "Beating the superparamagnetic limit with exchange bias", Nature, Vol. 423, 2003, pp 850-853					
	8.	Teng et al. "Synthesis of Face-Centered Tetragonal FePt Nanoparticles and Granular Films from Pt@Fe ₂ O ₃ Core-Shell Nanoparticles", Journal of the American Chemical Society, Vol. 125, 2003, pp 14559-14563					
	9.	Teng et al. "Platinum-Maghemite Core-Shell Nanoparticles Using a Sequential Synthesis", Nano Letters, Vol. 3, No. 2, 2003, pp 261-264					
	10.	Guo et al. "Patterned Langmuir-Blodgett Films of Monodisperse Nanoparticles of Iron Oxide Using Soft Lithography", Journal of American Chemical Society, 2002					
	11.	Sellmyer, David "Strong magnets by self-assembly", Nature Publishing Group, Vol. 420, 2002,					
	12.	Zeng et al. "Bimagnetic Core/Shell FePt/Fe ₃ O ₄ Nanoparticles", Nano Letters, Vol. 4, No. 1, 2004, pp 187-190					
EXAMINER				DATE CONSIDERED			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: April 28, 2004